REMARKS/ARGUMENTS:

Reconsideration of this patent application is respectfully requested in view of the foregoing amendments, and the following remarks. Claims 1, 4, 5, 7, 8, 10 and 11 are in the application. Claims 2, 3 6 and 9 have been canceled. Claims 1, 4, 5, 8 and 10 have been amended. Claim 11 has been added. No new matter has been added.

Applicant has amended the specification to correct some typographical errors and to make the terminology used more consistent. No new matter has been added.

The Examiner rejected claim 1 under 35 USC 102(b) as being anticipated by Goto. Claim 2 has been rejected under 35 USC 103(a) as being unpatentable over Goto in view of Bush. Claim 3 is rejected over Goto in view of Gaborski. Claims 4 and 5 have been rejected over Goto in view of Eouzan et al. Claim 6 is rejected over Goto in view of Krell. Claims 8-10 are rejected over Nakano in view of Eouzan. The Examiner states that claim 7 would be allowable if rewritten in independent form.

Applicant has amended claim 1 to include the elements of claims 2 and 3, now canceled. Claims 1 and 8 have also been amended to recite the step of spatially coupling the pixel values of color channels by mono-layered neuronal networks via space-variant weights. Support for this amendment can be found in the specification, on page 8, last paragraph. Claims 4, 5 and 10 have been amended to further clarify the invention. Support for the amendment to claim 4 can be found in the specification on page 6, line 5 ff. Support for claim 5 can be found in the specification on page 6, line 13, to page 7, line 3. Support for new claim 11 can be found in the specification at page 6, line 23 ff.

The coupling of different channels and also the spatial coupling of different pixels is a main feature of the invention. This way, locus and channel-related effects such as blur, geometric distortions and dynamic color errors at object transitions (color seams) can be corrected. This feature is not taught or suggested by any of the cited references.
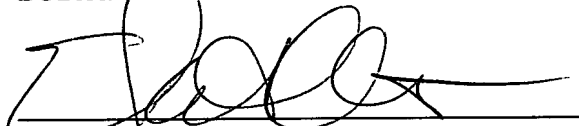
Goto couples RGB values, but not different pixels. Gaborski shows coupling between pixels for letter recognition, but no

coupling between channels and no training of a correction system. Eouzan describes neither coupling between channels nor pixels. Krell describes spatial pixel coupling but not channel coupling, postprocessing of captured image data, or preprocessing of image data to be reproduced. Nakano describes a neural network that learns to convert colorimetric values into color separateion values, but does not disclose spatial coupling of pixels and therefore no correction of spatial errors such s blur or divergence of color channels.

Since none of the cited references, either alone or in combination teach or suggest the invention claimed in amended claims 1 and 8, Applicant submits that claims 1 and 8, and all of the claims that depend therefrom, are patentable over the cited references, taken either singly or in combination. Early allowance is respectfully requested.

Applicants also submit herewith a Supplemental Information Disclosure Statement.

Respectfully submitted,
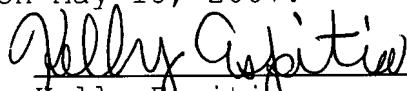Bernd MICHAELIS ET AL.

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Enclosure: Abstract of the Disclosure

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 18, 2007.

Kelly Espitia